# Supera Color HD TV Box

# User's Manual

**Limited Warranty**

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM THE DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, DISK OR ITS DOCUMENTATION.

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The direct vendor also reserves the right to revise or update the device or documentation without obligation to notify any individual or entity of such revisions, or update. For further inquires please contact your direct vendor.

## FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Subpart J of Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

**FCC Warning**

To assure continued FCC compliance the user must use grounded power supply core and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable is going to be used, use only a shielded BNC(5) cable. Also, any unauthorized changes or modifications no expressly approved by the party responsible for compliance could void the user's authority to operate this device.

# 1 Product Name：

This manual is for Geniatech Supera color HD TV Box

# 2 Introduction：

The Supera color HD TV Box is a state-of-the-art TV to PC converter box. The compact unit easily turns your LCD/CRT monitor, plasma display or projector all that has a VGA input connector devices into a multimedia center with small desktop space. With a built-in TV tuner and multiple video ports, you can connect DVD players, digital video cameras, VCRs or even game consoles to your PC, and view high quality video in full-screen, high-resolution images.

The full screen display resolution is up to 1920x1200 with refresh rate from 60Hz and it is most suitable to use 24" or bigger PC monitor to watch TV program, like football game, movie and any show you want! The User-friendly OSD (On Screen Display) can let you easily use brightness, contrast and hue adjustment for better video quality! The full function remote controller can help you to make the channel selection, input source switching, volume adjustment, and etc.

With Enhanced 3D motion adaptive de-interlacing, Supera color HD TV Box provides high quality picture and gives sharp & stable image output to LCD and/or CRT monitor

## 2.1 Features

- Supera color HD TV Box can provide high quality picture with sharp, stable image output to VGA/SVGA/XGA/SXGA
- Supera color HD TV Box output mode can be changed from 640*480,800*600, 1024*768 to 1920*1200
- Compatible for Multi Signal inputs: TV, Video, S-Video, YPbPr and PC.
- Video Standard automatic source mode detection
- TV Channels auto scanning and memorize
- Brightness/Contrast/Saturation/Hue Adjustment
- Provide user-friendly OSD (on screen display) for function control
- No software or driver required. No PC compatibility problem
- Compact standing body (Supera Color) and easy installation, no need to uncover PC case
- With Muliti-Language OSD Selection
- Full function remote controller

## 2.2 Specifications

Video input

- TV Input: Coaxial (RF)
- Composite Video Input
- S-Video Input
- VGA Input: 8 pin (Mini DIN)-15 pin (DB15)
- YPbPr Input

Video Output
- VGA Output: 15 pin DB
Audio input
- Composite Audio Input
- From PC Sound card Line-In
Audio output
- Audio Output to Sound Enclosure or Sound card Line in

### 2.3 System Requirements

- No specific PC system required
- VESA compatible VGA monitor, such as LCD, CRT monitor, plasma display or projector all that has a VGA input connector devices.
- Video input device (e.g. Cable, Antenna, VCR, V8, LD player, TV game machine and etc.)

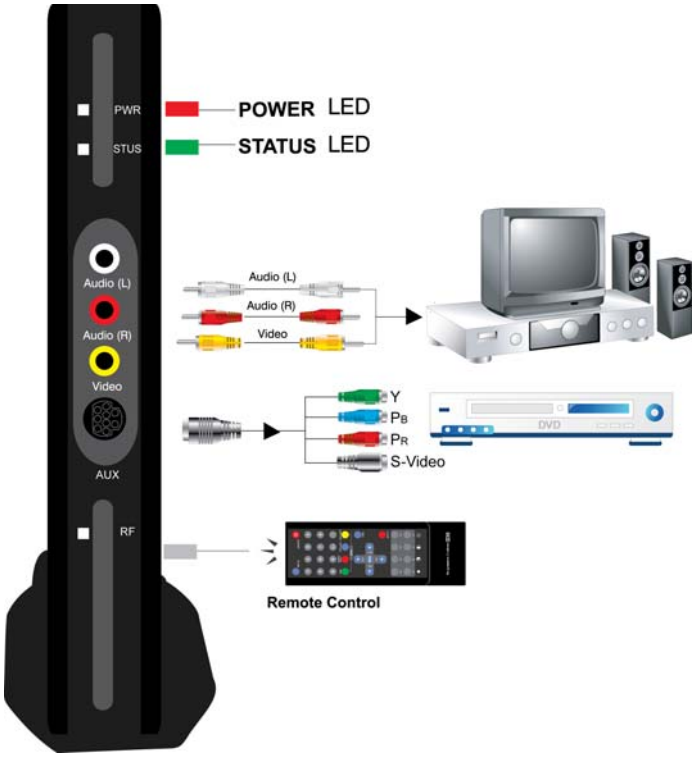
### 2.4 Accessories

Supera color HD TV Box
Supera color HD TV Box holder
User's Manual (This manual)
Audio Cable
IR Remote
A/V Cable
Power adapter (Switching, 110-240V AC, 7.5V1A DC)
8 pin – DB 15 VGA cable

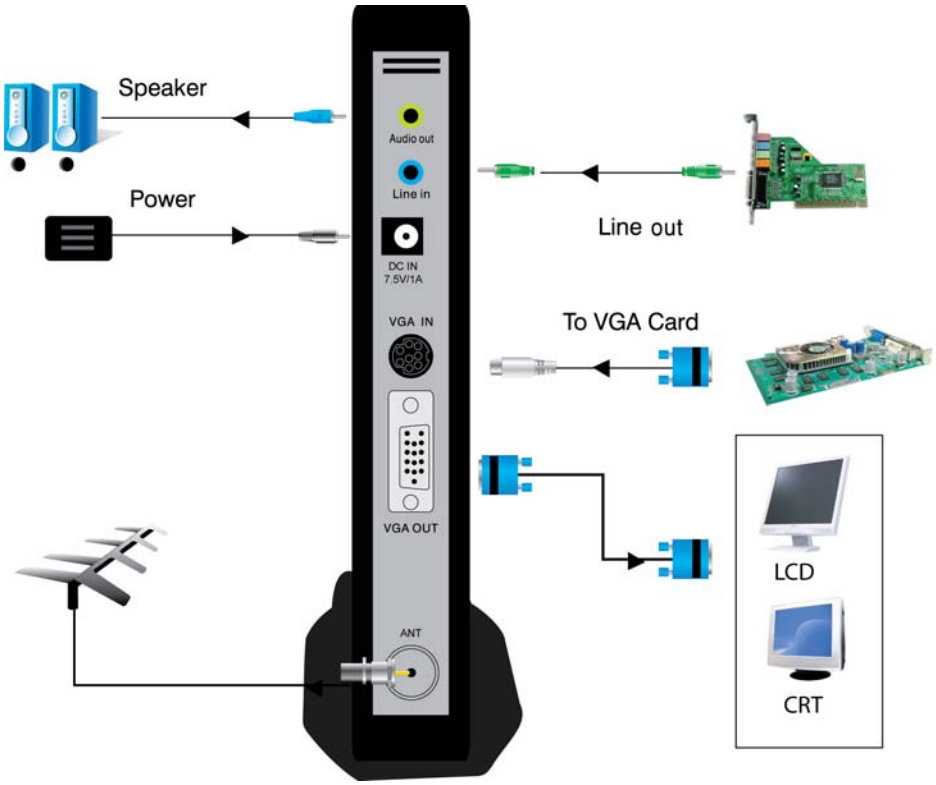
# 3 Hardware Installation

**Connection**

## Front side




## Reverse side



Shut off the power of Supera color HD TV Box and PC Monitor

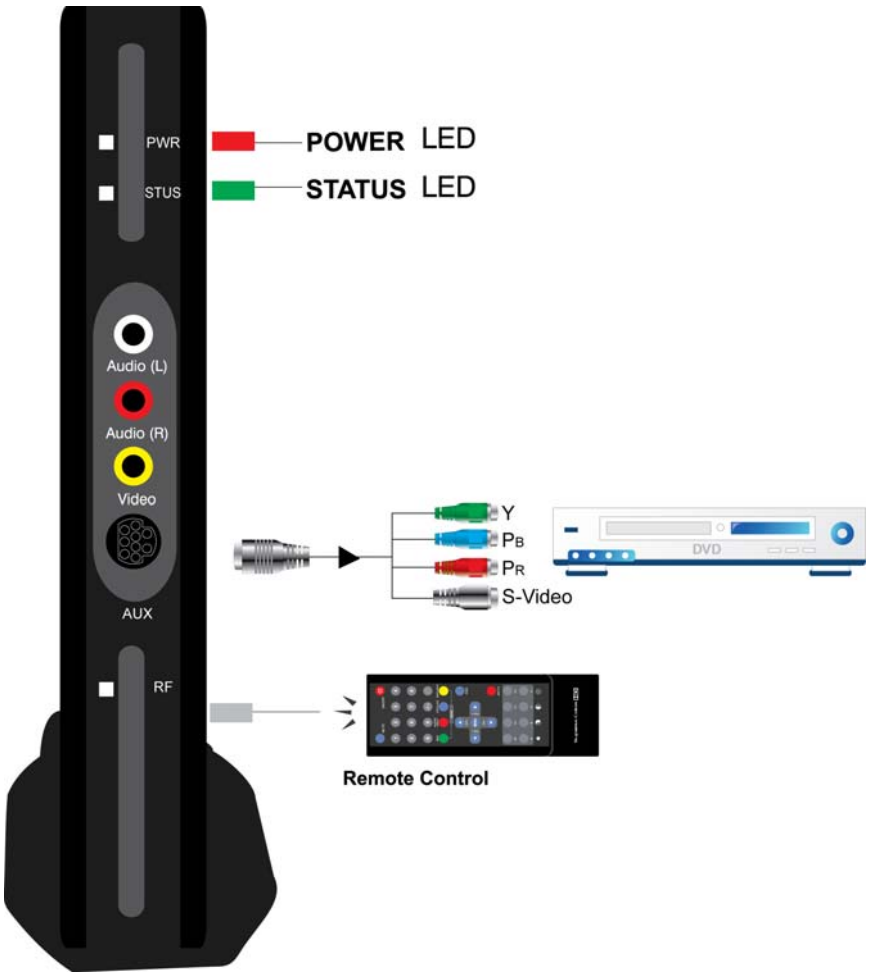
1. Connect the to monitor, PC and Supera color HD TV Box (Please match the right color).
2. Connect the sound enclosure or other device which has sound input jack device (for a example, your sound card's Line In port), to Supera color HD TV Box's Line Out port.
3. Connect the Cable TV Antenna to Supera color HD TV Box' s antenna input.
4. Connect the AC/DC power converter's output to Supera color HD TV Box, Supera color HD TV Box will auto power on.
5. Connect video/ S-video/YPbPr in port to the Video device's (DVD/VCD/VCR/PS2/Gamestation) video out port.

**Caution：When you first use this new Supera color HD TV Box, please first select SEARCH item in MENU and press "MENU" to start one time full auto-scan all the channels. This procedure will takes 5-10 minutes, and the status LED will blinking when on processing.**

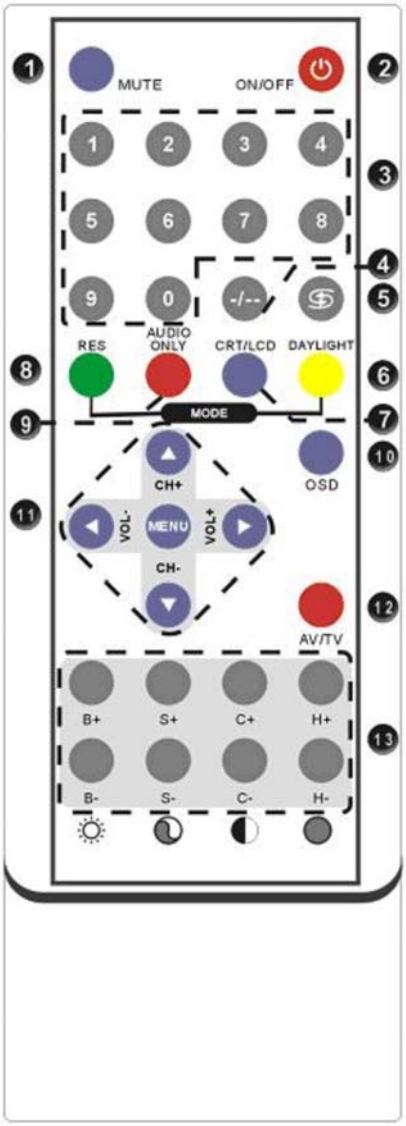
## Connection of PS3 and Supera color HD TV Box:

Please connect the PC outputs to Supera color HD TV Box imputs( Refer to connection picture as follow). Press "AV/TV" key on Remote control to switch to AV mode, S-Video or YPbPr mode.

### Connection of HD programs and Supera color HD TV Box(YPbPr imputs connection)



# 4 IR Remote and key description

| IR Remote and key description | | |
|---|---|---|
|  | 1 | **Mute：Mute on/off** |
| | 2 | **Power: Power on/off** |
| | 3 | **0 - 9:** 0-9 keys |
| | 4 | -/--：digit |
| | 5 | return to previous channel |
| | 6 | DAYLIGHT： |
| | 7 | CRT/LCD：. |
| | 8 | RES: **change resolution** |
| | 9 | AUDIO ONLY: |
| | 10 | **OSD：OSD on/off** |
| | 11 | **CH+/CH-：channel up and down**<br>**VOL+/VOL-：Volume up and down**<br>**MENU：Invoke menu** |
| | 12 | **AV/TV：Video source select**<br>**TV—PC（VGA）—CVBS—S-Video** |
| | 13 | B+ B-: Brightness+/-<br>S+ S-: Contrast+/-<br>C+ C-: Saturation+/-<br>H+ H-:Hue+/- |

# 5 Menu options

Press "MENU" button to enter the menu option, press "Channel up and down" select the option you want to change or look up, then press "MENU" to enter, press " VOLUME + and -" changing the value. Select "EXIT " and press "MENU" when finish

| Main Menu | Sub Items | Description |
|---|---|---|
| Color → | ↓ | Enter Color sub setting. |
| | Brightness | Adjust brightness of image. |
| | Contrast | Adjust contrast of image. |
| | Saturation | Adjust saturation of image. |
| | Hue | Adjust hue of image |
| | Default | Set all color setting to default value. |
| | Return | Return to up menu. |
| Video → | ↓ | Enter Video sub setting |
| | Standard | PAL/NTSC/SECAM |
| | Video Input | TV/AV/S-Video/YPbPr |
| | Return | Return to up menu |
| Channel → | ↓ | Enter Video sub setting. |
| | TV System Standard | PAL-B/G、PAL-D/K、PAL-I、PAL-SZ /(Depends on Tuner) |
| | Auto Scan | Take auto scan channel action (high speed, recommended). |
| | Full Scan | Take full frequency scan (low speed). |
| | Fine Tune | Finely adjust the frequency of the current channel |
| | Skip | Skip the current channel |
| | Return | Return to up menu |
| Display → | ↓ | Enter Display sub setting. |
| | VGA | 640 X 480 |
| | SVGA | 800 X 600 |
| | XGA | 1024 X 768 |
| | SXGA | 1280 X 1024 |
| | W1440S | 1440 X 900 |
| | W1400S | 1400X 1050 |
| | W1280S | 1280 X 768 |
| | W1600S | 1600 X 1200 |
| | W1680S | 1680 X 1050 |
| | W1920S | 1920 X 1200 |
| | Return | Return to up menu |
| OSD → | ↓ | Toggle OSD |
| | Pos.X | OSD Movie X |
| | Pos.Y | OSD Movie Y |
| | Return | Return to up menu |
| Language → | ↓ | Select language |
| | English | English language |
| | 簡中 | Chinese language |
| | 繁中 | Chinese language |
| | Portuguese | Portuguese language |
| Exit → | | Exit menu mode. |

# 6. Trouble shooting

| Description | Hints |
|---|---|
| No picture and no sound (Even noise) | 1. Power LED off: Please check the AC/DC adaptor，the power connector;<br>2. Power LED on: check the monitor and sound device connection |
| Picture is ok but no sound (Even nose) | 1. Check the sound device connection<br>2. Check if mute key is pressed<br>3. Check if volume is lower to the end of minimum<br>4. Check sound device's volume setting |
| No picture but sound is Ok | 1. Check the connection between monitor and LCD TV BOX<br>2. Check if the monitor is power off<br>3. Check the monitor is not in power saving status<br>4. Check if your monitor cannot support high resolution, please change to other resolution by press the RES key, wait a moment to see if it is ok, or press RES key once more to another resolution. |
| No color | 1. TV cable signal is too weak<br>2. Check the Saturation setting |
| REMOTE problem | 1. Check the IR sender's batteries<br>2. Check if too much dust on the sender |

# 7. Frequency Asked Questions

**Q：Why I need 1920X1200 resolution?**

A：For CRT monitor, you can find more than one resolution at which you can get better display quality, but for LCD monitor, one panel only have one resolution at you can get the best display quality, others are not so good, even you can say its no good, normally, 15" LCD monitor's best resolution and highest resolution is 1920X1200, for 17" and 19", its best and highest resolution is 1920X1200.

**Q： What is the difference between Supera color HD TV Box and other such 640*480 level TV box (for an example, TV box V for CRT)?**

A: The key difference is our Supera color HD TV Box has a 9 bit input ADC and have a digital de-interlacer inside our main chip, which improves the picture quality.